

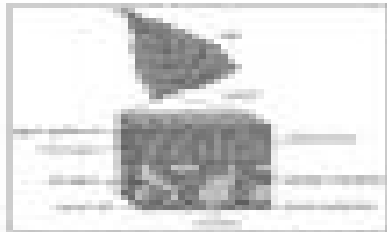
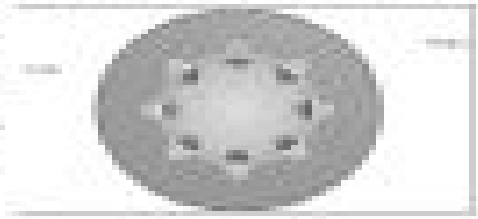
Name \_\_\_\_\_

Class \_\_\_\_\_

**Photosynthesis**

**Photosynthesis**

The word "photosynthesis" means light, "synthesis" means putting together. The word photosynthesis means putting together with light. Plants use light energy to make food. The light energy is captured by the chlorophyll in the leaves. The chlorophyll is a green pigment that is found in the leaves. The chlorophyll captures the light energy and uses it to make food. The food is then used by the plant for energy and growth. The process of photosynthesis is shown in the diagram below.



There are two main parts to the process of photosynthesis. The first part is called the light reaction. This part of the process happens in the chloroplasts. The chloroplasts are found in the leaves. The chloroplasts capture the light energy and use it to make food. The food is then used by the plant for energy and growth.

The second part of the process is called the Calvin cycle. This part of the process happens in the stroma of the chloroplasts. The Calvin cycle uses the food produced in the light reaction to make glucose. The glucose is then used by the plant for energy and growth.

The sugar made during photosynthesis is used by the plant for energy and growth. The plant uses the sugar to make more cells and to grow. The sugar is also used to make other molecules that the plant needs. The process of photosynthesis is shown in the diagram below.

